

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/080,713 Confirmation No.: 9155
Applicant : Alan Colman et al.
Filed : February 25, 2002
TC/A.U. : 1600/1632
Examiner : Thaian N. Ton
Title : Method of Preparing a Somatic Cell for Nuclear Transfer
Docket No. : 10758.105015
Customer No. : 20786

Commissioner for Patents
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A check for \$180.00 is enclosed because this paper is submitted after the mailing of a first Office action but before the mailing of a notice of allowance as under 37 C.F.R. § 1.97(c)(2). Applicant does not believe any other fees are due, however, the Commissioner is hereby authorized to charge any fees due or credit any overpayment, to Deposit Account No. 11-0980.

Respectfully submitted,

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Submitted for form 1449/PTO SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known		
				Application Number	10/080,713	
				Filing Date	February 25, 2002	
				First Named Inventor	Colman <i>et al.</i>	
				Group Art Unit	1632	
				Examiner	Thaian N. Ton	
Attorney Docket Number	10758.105015 REV U.S.					
Sheet	1	of	2			

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U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pgs, Clms, Lns, Where Relevant Passages/Relevant Figs Appear
		Number	Kind Code (if known)			
	AA	2003-0037347	A1	Robl <i>et al.</i>	02-20-2003	
	AB	2003-0056237	A2	Goldsby <i>et al.</i>	03-20-2003	
	AC	2004-0068760	A1	Robl <i>et al.</i>	04-08-2004	

FOREIGN PATENT DOCUMENTS								
Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6
		Office ³	Number	Kind Code ² (if known)				
	AD	WO	01/35735	A1	Goldsby <i>et al.</i>	05-25-2001		
	AE	WO	02/070648	A2	Robl <i>et al.</i>	09-12-2002		

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T6
	AF	AMSTISLAVSKY, S., <i>et al.</i> , "Transfer of European mink (<i>Mustela lutreola</i>) embryos into hybrid recipients," <i>Theriogenology</i> , 62:458-467 (2004).	
	AG	BAGUISI, A., <i>et al.</i> , "Production of goats by somatic cell nuclear transfer," <i>Nature Biotechnology</i> , 17:456-461 (May 1999).	
	AH	BRINSTER, R.L., <i>et al.</i> , "Targeted correction of a major histocompatibility class II <i>E_a</i> gene by DNA microinjected into mouse eggs," <i>Proc. Natl. Acad. Sci. USA</i> , 86:7087-7091 (September 1989).	
	AI	CAMILLO, F., "Successful non-surgical transfer of horse embryos to mule recipients," <i>Reprod. Dom. Anim.</i> , 38:380-385 (2003).	
	AJ	DAI, Y., <i>et al.</i> , "Targeted disruption of the α 1,3-galactosyltransferase gene in cloned pigs," <i>Nature Biotechnology</i> , 20:251-255 (March 2002).	
	AK	GIBBONS, J., <i>et al.</i> , "Enhanced survivability of cloned calves derived from roscovitine-treated adult somatic cells," <i>Biology of Reproduction</i> , 66:895-900 (2002).	
	AL	HAMMER, C.J., "Compromised development of calves (<i>Bos gaurus</i>) derived from in vitro-generated embryos and transferred interspecifically into domestic cattle (<i>Bos taurus</i>)," <i>Theriogenology</i> , 55:1447-1455 (2001).	

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Sheet 2 of 2				Attorney Docket Number	10758.105015 REV U.S.

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BA	HAYFLICK, L., "From purloined cells to national policy," <i>Current Contents</i> , (3):14 (January 15, 1990).
BB	HAYFLICK, L., "The limited <i>in vitro</i> lifetime of human diploid cell strains," <i>Experimental Cell Research</i> , 37:614-636 (1965). Provided page numbers 614; 622-623; 626-628; 630-636.
BC	HIRATA, R.K., <i>et al.</i> , "Efficient PRNP gene targeting in bovine fibroblasts by adeno-associated virus vectors," <i>Cloning and Stem Cells</i> , 6(1):31-36 (2004).
BD	KATO, Y., <i>et al.</i> , "Cloning of calves from various somatic cell types of male and female adult, newborn and fetal cows," <i>Journal of Reproduction and Fertility</i> , 120:231-237 (2000).
BE	KIKYO, N., and WOLFFE, A.P., "Reprogramming nuclei: Insights from cloning, nuclear transfer and heterokaryons," <i>Journal of Cell Science</i> , 113:11-20 (2000).
BF	KOLBER-SIMONDS, D., <i>et al.</i> , "Production of α -1,3-galactosyltransferase null pigs by means of nuclear transfer with fibroblasts bearing loss of heterozygosity mutations," <i>Proc. Natl. Acad. Sci. USA</i> , 101(19):7335-7340 (May 11, 2004).
BG	LAI, L., <i>et al.</i> , "Production of α 1,3-galactosyltransferase knockout pigs by nuclear transfer cloning," <i>Science</i> , 295:1089-1092 (8 February 2002).
BH	LOI, P., <i>et al.</i> , "Genetic rescue of an endangered mammal by cross-species nuclear transfer using post-mortem somatic cells," <i>Nature Biotechnology</i> , 19:962-964 (October 2001).
BI	MIYOSHI, K., <i>et al.</i> , "Development of porcine embryos reconstituted with somatic cells and enucleated metaphase I and II oocytes matured in a protein-free medium," <i>BMC Developmental Biology</i> , 2:12 (11 July 2001) [http://www.biomedcentral.com/1471-213X/1/12].
BJ	ONO, Y., <i>et al.</i> , "Production of cloned mice from embryonic stem cells arrested at metaphase," <i>Reproduction</i> , 122:731-736 (2000).
BK	RAMSOONDAR, J.J., <i>et al.</i> , "Production of α 1,3-galactosyltransferase-knockout cloned pigs expressing human α 1,2-fucosyltransferase," <i>Biology of Reproduction</i> , 69:437-445 (2003) [published online before print 2 April 2003].
BL	RIDEOUT, W.M. III, <i>et al.</i> , "Nuclear cloning and epigenetic reprogramming of the genome," <i>Science</i> , 293:1093-1098 (10 August 2001).
BM	SENDAI, Y., <i>et al.</i> , "Heterozygous disruption of the α 1,3-galactosyltransferase gene in cattle," <i>Transplantation</i> , 76(6):900-902 (September 27, 2003).
BN	SUMMERS, P.M., <i>et al.</i> , "Successful transfer of the embryos of Przewalski's horses (<i>Equus przewalskii</i>) and Grant's zebra (<i>E. burchelli</i>) to domestic mares (<i>E. caballus</i>)," <i>J. Reprod. Fert.</i> , 80:13-20 (1987).
BO	WELLS, D.N., <i>et al.</i> , "Production of cloned calves following nuclear transfer with cultured adult mural granulose cells," <i>Biology of Reproduction</i> , 60:996-1005 (1999).

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Appl. No. 10/080,713
Amendment Dated July 14, 2004
Reply to Office Action of April 21, 2004

The Commissioner is authorized to charge additional fees and credit any overpayment to
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Respectfully submitted,

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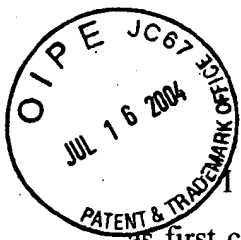
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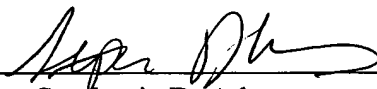
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